

Title (en)  
HEATING APPLIANCE

Publication  
**EP 0320072 B1 19930310 (EN)**

Application  
**EP 88202803 A 19881207**

Priority  
NL 8702987 A 19871210

Abstract (en)  
[origin: EP0320072A2] Heating appliance, comprising a burner of the type having full premix and forced draught, and having a mixing chamber (2) to which an air supply line (3) and a fuel supply (4) are connected, said mixing chamber having a burner plate (5) which is provided with apertures and which adjoins a combustion chamber (7) in which a heat exchanger (8) is disposed some distance from the burner plate and is passed through by a medium to be heated, a flue (9) being connected to said combustion chamber. In order to avoid condensation of the flue gases in cases said heating appliance is functioning with a minimum load i.e. when little fuel and consequently little combustion air are supplied means are present for varying the effective heat transfer of the flue gases to the heat exchanger. Said means comprise in a first embodiment an addition air supply line (15) which opens into the combustion chamber in the space between the heat exchanger and the burner plate, and means (18, 19) are present to ensure that the quantity of air conveyed via this supply line directly into the combustion chamber is regulated depending on the load on the heating appliance.

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IPC 8 full level  
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CPC (source: EP US)  
**F24H 1/40** (2013.01 - EP US); **F24H 9/0036** (2013.01 - EP US)

Cited by  
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